BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

COMPARATIVE STATEMENT

Name of Work :- Construction of Stamp vendors building near Mini Vidhana soudha building in ward no-05 Yelahanka New Town sub division

Estimated Cost RS:- 00.00 Lakh,s

Agency:-SRI.KEERTHAN, No:20,2nd Main Road,Gandhinagar,Bangalore-560064.

Approved Tender Amount RS:- 2387631.00 (Excluding GST 18%)

Tender Premium:- (-6.08%) Below

Modified Est S.No.s	Tender Item S.No.s	Description of Work	Unit	Qty as per Sanctioned Estimate			Qty as per Tender			Total Qty Executed	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Amount	Excess	Savings	Remarks
				Qty	Rates	Amount	Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.2)	Cum	125.79	218.90	27535.43	125.79	205.00	25786.95	106.42	106.42	205.00	21815.28				21815.28		3971.67	Item Operated
2	3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)	Cum	17.49	6109.40	106853.41	17.49	5743.00	100445.07	34.24	21.86	5743.00	125556.34	12.38	5737.95	71029.00	196585.34	96140.27		Item Operated
3	E-1	Providing and laying in position Plain cement concrete for levelling course for all works in foundation. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed laid in layers not exceeding 150mm thickness ,well compacted using needle vibrators, including all lead & lifts, cost of all materials of quality,labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. Mix 1:2:4(M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -I/ P No-17/ I no- 2.4.1)	Cum							26.52	26.52	6297.90	167034.00				167034.00	167034.00		Item Operated

4	5	Providing Size Stone Masanry with hard stone in foundation & plinth with cement mortor 1:6 (1 cement 6 coarse sand) (Vol 2/P No-9/I no.5.4 of PWD SR 2021-22)	Cum	40.55	5887.20	238725.96	40.55	5533.00	224363.15	79.40	50.69	5533.00	280454.00	28.71	5529.26	158748.00	439202.00	214838.85		Item Operated
5	6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. ((PWD SR 2021-22 Vol- 1 P.No -7 / I.No -1.9)	Cum	40.46	224.40	9079.22	40.46	211.00	8537.06	24.71	24.71	211.00	5214.00				5214.00		3323.06	Item Operated
6	7	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1A)	Cum	85.34	81.40	6946.68	85.34	76.00	6485.84	81.71	81.71	76.00	6210.00				6210.00		275.84	Item Operated
7	8	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)	t.km	109.23	105.60	11534.69	109.23	99.00	10813.77	104.58	104.58	99.00	10354.00				10354.00		459.77	Item Operated
8	9	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.4.3 of PWD SR 2021-22)	Cum	30.15	7118.50	214622.78	30.15	6692.00	201763.80	10.13	10.13	6692.00	67777.00				67777.00		133986.80	Item Operated
9	11	Providing and laying in position Reinforced cement concrete for all **Super structures of building,**Road works,water works, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)	Cum	24.53	8165.52	200300.21	24.53	7675.00	188267.75	28.84	28.84	7675.00	221351.00				221351.00	33083.25		Item Operated

10	12	Providing and laying in position Reinforced cement concrete for all **Super structures of building**,Road works,water works, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)	Cum	14.86	6109.40	90785.68	14.86	7675.00	114050.50	10.80	10.80	7675.00	82890.00				82890.00		31160.50	Item Operated
11	13	Providing and laying in position Reinforced cement concrete for all **Super structures of building**,Road works,water works, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)	Cum	3.93	8165.52	32090.49	3.93	7675.00	30162.75	2.81	2.81	7675.00	21534.00				21534.00		8628.75	Item Operated
12	15	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol- 1 P.No. 84/I.No. 11.32 of PWD SR 2021-22 1st Corrigenda)	Kg.s	8619.73	105.60	910243.49	8619.73	99.00	853353.27	7789.34	7789.34	99.00	771145.00				771145.00		82208.27	Item Operated
13	16	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no-6.32 of PWD SR 2021-22)	sqm	190.14	1315.60	250148.18	190.14	1236.00	235013.04	199.07	199.07	1236.00	246044.00				246044.00	11030.96		Item Operated

14	E-2	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ 1 no-6.33 of PWD SR 2021-22)	Sqm							110.16	110.16	1102.34	121434.00				121434.00	121434.00		Item Operated
15	E-3	Concealed Conduit System Supplying heavy gauge PVC conduit pipe ……mm dia mm thick confirming toIS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick(PWD Electrical 2021-22 page no 1 item no 1.1.2	Rmtr							126.00	126.00	65.74	8283.74				8283.74	8283.74		Item Operated
		Saving's Items																			
	2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications	Cum	4.50	2817.10	12676.95	4.50	2679.00	12055.50									12055.50	Not operated
	4	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	5.41	6468.00	34991.88	5.41	6079.00	32887.39									32887.39	Not operated
	10	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates-Ground Floor-Columns upto beam bottom	Cum	3.60	6804.60	24496.56	3.60	7035.00	25326.00									25326.00	Not operated
	14	Staircase	Cum	2.28	8165.52	18617.39	2.28	7675.00	17499.00									17499.00	Not operated

	17	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications	Sqm	5.04	1034.00	5211.36	5.04	972.00	4898.88										4898.88	Not operated
	18	Providing and laying Cement concrete flooring 40 mm thick with 20mm nominal size stone aggregate using 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry complete.	Sqm	83.25	440.00	36630.00	83.25	421.00	35048.25										35048.25	Not operated
	19	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid seperately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	Cum	8.33	6468.00	53878.44	8.33	6079.00	50638.07										50638.07	Not operated
	20	Providing and fixing fiber glass reinforced plastic (FRP) Door frames of cross-section 90mm x 45mm having single rebate of 32mm x15mm to receive shutter of 30mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyster resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frames shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frames	M	19.80	694.10	13743.18	19.80	653.00	12929.40										12929.40	Not operated
	21	Providing and fixing to existing door frames. 30mm thick glass fiber reinforced plastic (FRP) pannelled door shutter of required colour and approved brand and manufacture, made ith fire-retardant grade unsaturated polyester resin, moulded to 3mm thick FRP laminate for forming hallow rails and styles, with wooden frames and suitable blocks of seasoned wood inside at required place for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS:14856, including fixing to frames	Sqm	6.30	3437.50	21656.25	6.30	3231.00	20355.30										20355.30	Not operated
	22	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.	Kg	37.80	174.90	6611.22	37.80	165.00	6237.00										6237.00	Not operated

	23	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made).	Sqm	1.80	5357.00	9642.60	1.80	5035.00	9063.00											9063.00	Not operated
	24	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m◆ over an under coat of primer applied @ 0.80 ltr/10 m◆ of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	1.80	116.60	209.88	1.80	109.00	196.20											196.20	Not operated
	25	Providing and laying water proofing treatment to the Water tanks & Liquid Retaining structures with two component acrylic polymer modified cementitious waterproofing membrane with minimum elongation of 50% applied @ 1.5 kg/m2 for internal side waterproofing in two layers with waiting period of 4-6 hrs per layer and food grade epoxy coating in two coats certified by CFTRI Mysuru, including surface preparation completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.	Sqm	22.04	500.50	11031.02	22.04	473.00	10424.92											10424.92	Not operated
	26	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS. 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x0.90 mm M.S. laths with 0.90 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge	Sqm	60.00	2468.40	148104.00	60.00	2319.00	139140.00											139140.00	Not operated
	27	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity)	Ltr	1000.00	8.80	8800.00	1000.00	8.00	8000.00											8000.00	Not operated

	28	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal dia pipes	M	10.00	410.30	4103.00	10.00	389.00	3890.00									3890.00	Not operated
		Grand Total RS				**2509269.94**			**2387631.86**								**2386873.36**	**651845.07**	**652603.57**	

{Sanction Estimate,Tender Amount - Saving,s Amount + Excess Amount = Modified Total Amount}

:-{2387631.86 - 652603.57+ 651845.07= 2386873.36}

Agency Signature

Assistant Engineer
Ward No-05

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಜ.ಜ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Executive Engineer
Yelahanka Division

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ